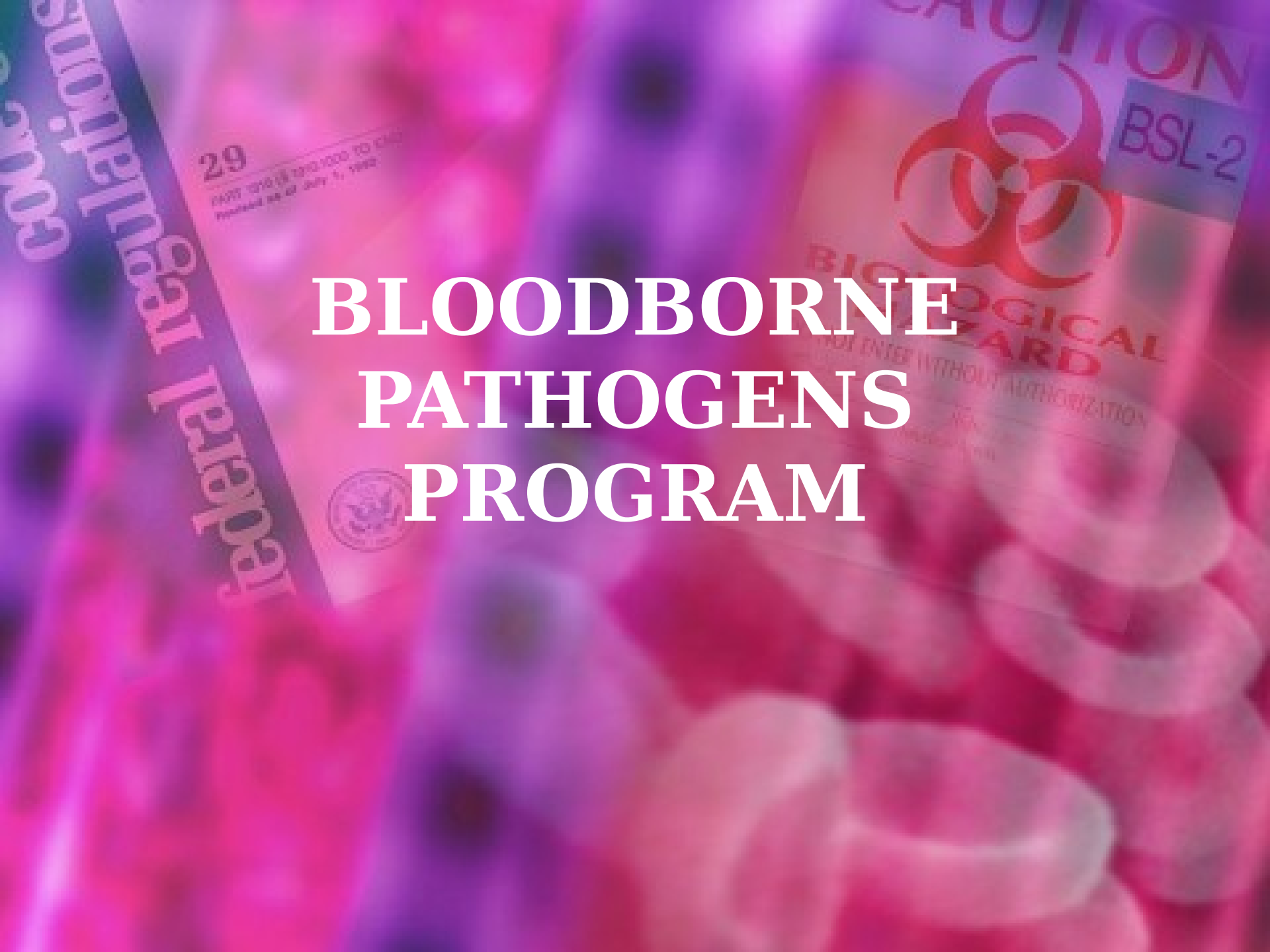


# BLOODBORNE PATHOGENS PROGRAM



# Overview

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- Program responsibilities.
- Container labeling
- Training
- Disposal
- Spill mitigation
- Emergency response procedures.

# Overview cont.

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- Develop work practice controls and PPE Requirements
- Describe work place practices and PPE
- Communication

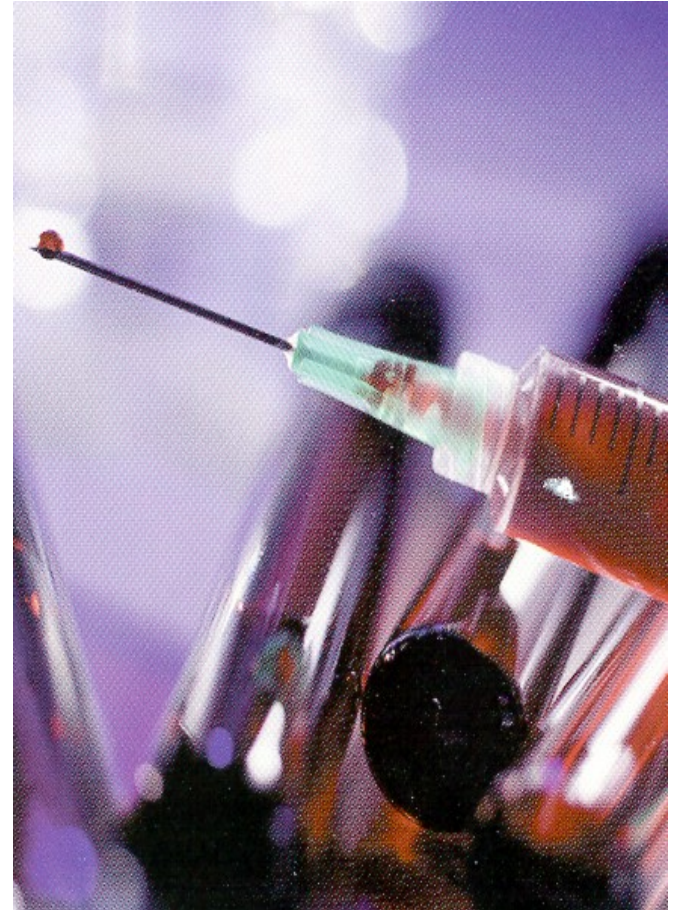
# What are Bloodborne Pathogens?

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- Pathogenic micro-organisms that are present in human blood and OPIM that can cause disease in humans.

# Bloodborne Pathogens Program

- OSH Act requires safe practices for personnel occupationally exposed to bloodborne pathogens
- Applies to all activities with occupational



# Responsibilities

- Commands

- Make request IOT support OPS

- Industrial Hygienists

- 5W's & How

- Medical Treatment Facilities

- Safety Personnel

- Evaluate, ensure employees are trained, request techn. help...

- Workers

- Complete training, follow ECP & SOP's, report exposure incidents

- Sharps Injury Log



# Signs & Labels

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- Labels must include the universal biohazard symbol, and the term “Biohazard” must be attached to:
  - Containers
  - Refrigerators or freezers



# Signs & Labels Ex:





# Training Requirements

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- Initial employment and assignment
- Refresher
- Modifications or new tasks
- Training records
  - Maintained for 3 years

# Common Bloodborne Pathogens Diseases

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- Hepatitis B(HBV)
- Hepatitis C(HCV)
- Human Immunodeficiency Virus (HIV)



# Potentially Infectious Bodily Fluids

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- Synovial, pleural, pericardial, and peritoneal fluid.
- Cerebrospinal fluid.
- Semen.
- Vaginal secretions.
- Amniotic fluid.
- Saliva (in dental procedures).

# Potentially Infectious Bodily Fluids cont:

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- Any unfixed tissue or organ from a human.
- Any body fluid visibly contaminated with blood.
- All body fluid where it is difficult to distinguish between body fluids.
- Cell or tissue cultures that were HIV or HBV infected.

# Disposal

Must be placed in closeable, leak-proof containers built to contain all contents during handling, storing, transporting or shipping and be appropriately labeled or color-coded.





# Disposal cont.

- When moving containers:
  - Close immediately
  - If leaking, place in secondary container
  - If reusable, clean in a manner that will not expose employees.



# Spills and Cleanup

- Carefully cover the spill with paper towels or rags
- Gently pour 10% solution of bleach over the towels or rags
- Let sit for 10 minutes
- Wear PPE to collect & dispose of





# Your Exposure Potential

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- Industrial accident
- Administering first aid
- Post-accident cleanup
- Janitorial or maintenance work
- Handling of any waste products



# Exposure Control Plan

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- Commands shall consult local medical treatment facilities, IH and Safety when developing exposure control plans
- OCONUS activities consult the host country's practices with regard to protecting foreign nationals

# Exposure Control Plan

## cont.

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- Identify tasks and jobs with potential occupational exposure exists
- Schedule of how and when provisions of the standard will be implemented and communicated
- Procedures to evaluate an exposure/incident
- Procedures to implement work practice controls, PPE requirements, and housekeeping precautions

# Exposure Control Plan cont.

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- Worker input.
- Annual review of the plan.
- Accessibility of the plan to workers.

# Emergency Response Procedures

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- In the event of exposure:
  - Clean the affected area
    - Wash the potentially contaminated areas with soap and water
    - Disinfect with bleach solution of 1 part bleach to 10 parts water
  - Mucous membranes
    - Irrigate for 15 min with water or saline solution

# Emergency Response Procedures

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- Exposures
  - Report immediately
  - Confidential medical evaluation shall be provided.
  - Document routes of exposure and how exposure occurred

# Develop Work Practice controls & PPE Requirements

- Contact local safety office, IH, MTF for assistance in work practice control development and PPE recommendations

# Engineering Controls

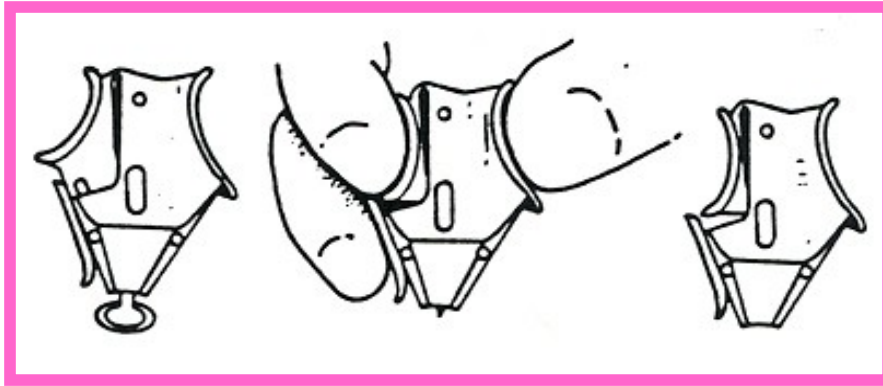
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- Devices that isolate or remove the bloodborne pathogens hazard from the workplace:



# Engineering Controls

## Retracting lancets with safety features



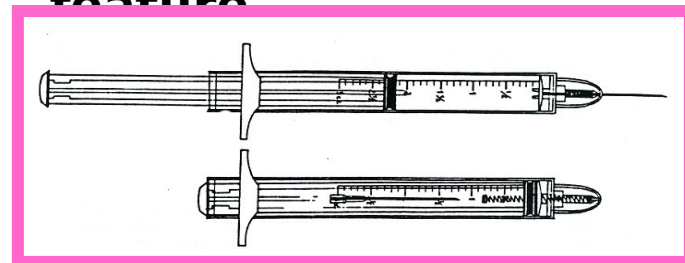
Before

During

After



## Hypodermic syringes with “retractable technology” safety feature



Retracted protected

# Work Practice Controls

- Work area procedures
- Housekeeping precautions



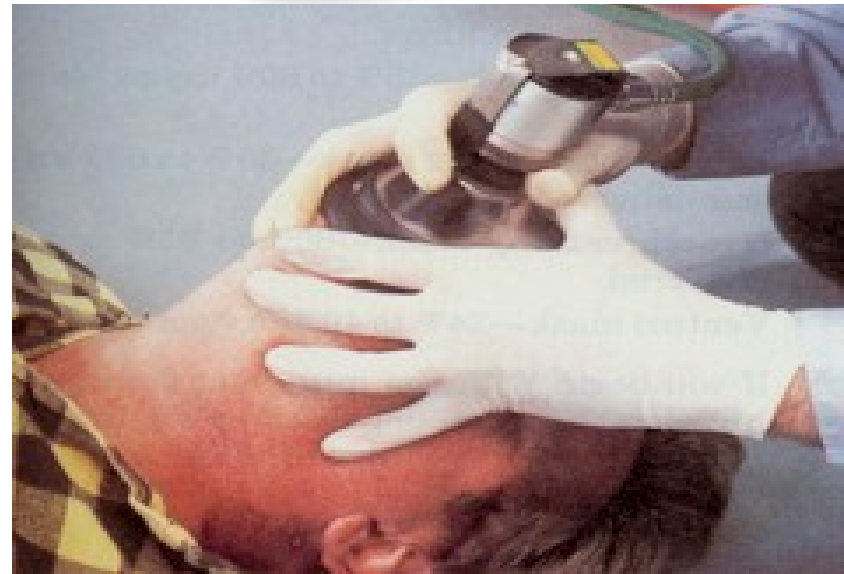
# Personal Protective Equipment cont:

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- Eye protection
- Clothing
- Single use gloves
- “Latex Free” Gloves
- Facial masks
- CPR devices

# Personal Protective Equipment Ex:

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# References

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- NAVMC Directive 5100.8, Chapter 20
- 29 CFR 1910.1030 OSH Standards



